

CLAIMS

What is claimed is:

1. An LCD glass cassette to store an LCD glass, comprising:
side frames and a rear frame, respectively having side supporters and a rear supporter,
that respectively support side edges and a rear edge of the glass; and
a front frame having a front supporter supporting a front edge of the glass.
2. The LCD glass cassette according to claim 1, wherein:
the front supporter is approximately cylindrical.
3. The LCD glass cassette according to claim 2, wherein:
the rear frame comprises
a plurality of rear supporters, and
a rear center supporter supporting a center portion of the glass, disposed amid
the plurality of rear supporters; and
the front frame comprises
a plurality of front supporters, and
a front center supporter supporting the center portion of the glass, disposed amid
the plurality of front supporters,
wherein the rear center supporter and the front center supporter are respectively longer
than the rear and front supporters.
4. The LCD glass cassette according to claim 1, wherein the front frame comprises:
an arm accommodator to allow a transfer device to enter the LCD glass cassette.
5. The LCD glass cassette according to claim 4, wherein:
the arm accommodator has one of a step shape and a "u" shape.
6. The LCD glass cassette according to claim 4, wherein:
the transfer device comprises a robot arm.
7. The LCD glass cassette according to claim 3, wherein the front frame comprises:

at least an arm accommodator to allow a transfer device to enter the LCD glass cassette.

8. The LCD glass cassette according to claim 7, wherein:
the arm accommodator has one of a step shape and a "u" shape.
9. The LCD glass cassette according to claim 7, wherein:
the transfer device comprises a robot arm.
10. An LCD glass cassette to store an LCD glass, comprising:
a rear frame with a rear supporter, to support a rear edge portion of the glass;
a first side frame with a first side supporter, to support a first side edge portion of the glass;
a second side frame with a second side supporter, to support a second side edge portion of the glass;
a front frame with a front supporter, to support a front edge portion of the glass;
a front center supporter that is longer than the front supporter and connected to the front frame, to support a center portion of the glass; and
a rear center supporter that is longer than the rear supporter and connected to the rear frame, to support the center portion of the glass
11. The LCD glass cassette according to claim 10, wherein the front frame comprises:
at least an arm accommodator to facilitate a transfer device handling the glass.
12. The LCD glass cassette according to claim 11, wherein:
the arm accommodator has one of a step shape and a "u" shape.
13. The LCD glass cassette according to claim 10, wherein:
at least one of the front frame and the rear frame is oriented horizontally.
14. The LCD glass cassette according to claim 10, wherein:
at least one of the front frame and the rear frame is oriented vertically.

15. The LCD glass cassette according to claim 10, wherein:
at least one of the first side frame and the second side frame is oriented horizontally.
16. The LCD glass cassette according to claim 10, wherein:
at least one of the first side frame and the second side frame is oriented vertically.
17. The LCD glass cassette according to claim 10, further comprising:
a plurality of first side frames.
18. The LCD glass cassette according to claim 10, further comprising:
a plurality of second side frames.
19. The LCD glass cassette according to claim 10, further comprising:
a plurality of front frames.
20. The LCD glass cassette according to claim 10, further comprising:
a plurality of rear frames.
21. The LCD glass cassette according to claim 10, wherein:
at least one of the rear supporter, the side supporter, the front supporter, the rear center supporter, and the front center supporter is approximately cylindrical.
22. An LCD glass cassette to store an LCD glass, comprising:
a first side frame with a first side supporter extending into a center of the LCD glass cassette, to support a first edge portion of the glass;
a second side frame with a second side supporter extending into the center of the LCD glass cassette, to support a second edge portion of the glass;
a rear frame with a rear supporter extending into the center of the LCD glass cassette, to support a rear edge portion of the glass; and
a front frame with a front supporter extending into the center of the LCD glass cassette, to support a front edge portion of the glass.

23. The LCD glass cassette according to claim 22, wherein:
one of the rear frame and the front frame further comprises a first center support to support a center portion of the glass.
24. The LCD glass cassette according to claim 23, wherein:
the other one of the rear frame and the front frame further comprises a second center support to support the center portion of the glass.
25. The LCD glass cassette according to claim 24, wherein:
at least one of the rear supporter, the first side supporter, the second side supporter, the front supporter, the first center supporter, and the second center supporter is approximately cylindrical.
26. The LCD glass cassette according to claim 22, wherein the front frame comprises:
at least an arm accommodator to facilitate a transfer device handling the glass.
27. The LCD glass cassette according to claim 26, wherein:
the arm accommodator has one of a step shape, and a "u" shape.
28. An LCD glass cassette to store an LCD glass, comprising:
a plurality of frames arrayed around three sides of the LCD glass cassette;
a front frame, located on a fourth side of the LCD glass cassette; and
a plurality of supporters, attached at a first end of each supporter to the plurality of frames and the front frame, to support the glass.
29. The LCD glass cassette according to claim 28, wherein:
at least one of the plurality of supporters supports a center portion of the glass
30. The LCD glass cassette according to claim 28, wherein:
at least one of the plurality of supporters is approximately cylindrical.

31. The LCD glass cassette according to claim 28, wherein the front frame comprises:

at least an arm accommodator to facilitate a transfer device handling the glass.

32. The LCD glass cassette according to claim 31, wherein:
the arm accommodator has one of a step shape and a "u" shape.